09973068
CPTO
10/10/01

ʮ   1. Configuration method for an automation module
(10) on a TCP/IP network (5) to which at least one item
of automation equipment (20) is also connected,
characterized in that the configuration method
5   comprises the following steps in sequence:

• A preliminary step (A) in which an application
name (40) is assigned, this application name being
unique on the TCP/IP network (5) for the automation
module (10).

10   • An addressing step (B) in which the automation
module (10) sends a request address query (17) on the
TCP/IP network (5), containing the application name
(40) of the automation module (10) and conform with the
DHCP protocol.

15   • A configuration step (C) in which the automation
module (10) sends a read configuration query (18)
conform with the FTP or TFTP protocol, on the TCP/IP
network (5), to an FTP/TFTP server (24, 34).

2. Configuration method according to claim 1, characterized by the fact that the DHCP server (23) is installed in automation equipment (20) connected to the TCP/IP network (5).

3. (Amended) Configuration method according to claim 1, characterized by the fact that the FTP/TFTP server (24, 34) is installed in automation equipment (20, 30) connected to the TCP/IP network (5).

4. Configuration method according to claim 1, characterized by the fact that during the addressing step (B), the automation module (10) receives a

response (27) to the request address query (17) from the DHCP server (23), containing an IP addressing (41) and a location (42) of a data file (46) specific to the automation module (10), making it possible to go on to

5   configuration step (C).

5. Configuration method according to claim 4, characterized by the fact that the read configuration query (18) uses the location (42) of the data file for the automation module (10).

10   6. Configuration method according to claim 5, characterized by the fact that during the configuration step (C), the automation module (10) receives a response (38) to the read configuration query (18) from the FTP/TFTP server (24, 34), containing the data file

15   (46) for the automation module (10), such that the automation module can then change to an operational state.

7. Configuration method according to claim 6, characterized by the fact that the data file (46) of an

20   automation module is identified using the application name (40) of the automation module (10).

8. Configuration method according to claim 6, characterized by the fact that when an automation module (10) is in the operational state, it can send a

25   write configuration query on its own initiative to the FTP/TFTP server (24, 34) to update or save all or some of its data file (46).

9. Configuration method according to claim 6, characterized by the fact that when an automation

30   module (10) is in the operational state, it can send a read configuration query on its own initiative to the

FTP/TFTP server (24, 34) to check or reload all or some of its data file (46).

10. (Amended) Automation assembly capable of implementing a method of configuring an automation module (10) according to claim 1, the automation assembly comprising at least one automation module (10) connected to a TCP/IP network (5) and equipped with a processing unit (12) which is connected to storage means (15) and to a network communication interface (11), characterized by the fact that the automation module (10) is capable of memorizing an application name (40) specific to the automation module (10) in its storage means (15), and can execute a DHCP client (13) and an FTP/TFTP agent (14) in its processing unit (12).

11. Automation assembly according to claim 10, comprising first automation equipment (20) that is connected to the TCP/IP network (5) and that is equipped with a processing unit (22) connected to storage means (25) and to a network communication interface (21) characterized by the fact that the first automation equipment (20) can execute a DHCP server (22) in its processing unit (22) and can memorize a configuration table (45) in its storage means (25), associating the application name (40) of at least one DHCP client (13) with an IP addressing (41) and a location (42) of a data file.

12. Automation assembly according to claim 11 comprising a second automation equipment (30) that is connected to the TCP/IP network (5) and that is provided with a processing unit (32) connected to

storage means (35) and to a network communication interface (31), characterized by the fact that the second automation equipment (30) can execute an FTP/TFTP server (34) in its processing unit (32) and can memorize a data file (46) corresponding to at least one FTP/TFTP agent (14) in its storage means (35).

13. Automation assembly according to claim 11, characterized by the fact that the first automation equipment (20) can execute an FTP/TFTP server (24) in its processing unit (22) and can memorize a data file (46) corresponding to at least one FTP/TFTP agent (14) in its storage means (25).